

1763.

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:  
Chen, et al.

Serial No.: 10/032,284

Confirmation No.: 4034

Filed: December 21, 2001

For: GAS DELIVERY  
APPARATUS AND  
METHOD FOR ATOMIC  
LAYER DEPOSITION

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Group Art Unit: 1763

Examiner: Moore, Karla A.

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

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The Applicants, and the Attorney who signs below on the basis of the information supplied by the inventor and the information in his file, submit herewith patents, publications, or other information of which they are aware, which may be material to the examination of this application and in respect of which there may be a duty to disclose in accordance with 37 CFR § 1.56.

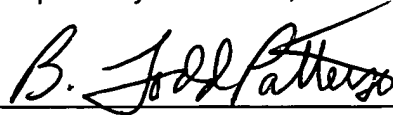
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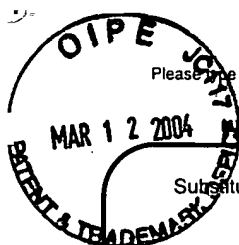
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Respectfully submitted,

A handwritten signature in black ink, appearing to read "B. Todd Patterson", is written over a horizontal line.

B. Todd Patterson  
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STATEMENT BY APPLICANT**

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Sheet 1

of 4

|                        |                             |
|------------------------|-----------------------------|
| Application Number     | 10/032,284                  |
| Filing Date            | December 21, 2001           |
| First Named Inventor   | Ling Chen, et al.           |
| Group Art Unit         | 1763                        |
| Examiner Name          | Moore, Karla A.             |
| Attorney Docket Number | AMAT/5192.02/CPI/COPPER/PJS |
| Submission Date        | February 17, 2004           |

**U.S. PATENT DOCUMENTS**

| Examiner Initials* | Cite No. <sup>1</sup> | Document Number                          | Publication Date<br>MM-DD-YYYY | Name of Patentee or<br>Applicant of Cited Document | Pages, Columns, Lines, Where<br>Relevant Passages or Relevant<br>Figures Appear |
|--------------------|-----------------------|--|--------------------------------|--|---|
|                    |                       | Number-Kind Code <sup>2</sup> (if known) |                                |  |   |
|                    | A1                    | US-6660126 B2                            | 12/09/2003                     | Nguyen, et al.                                     |   |
|                    | A2                    | US-6630030 B1                            | 10/07/2003                     | Suntola, et al.                                    |   |
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|                    | A6                    | US-6551406 B2                            | 04/22/2003                     | Kilpi  |   |
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|                    | A10                   | US-6447607 B2                            | 09/10/2002                     | Soininen, et al.                                   |   |
|                    | A11                   | US-6231672 B1                            | 05/15/2001                     | Choi, et al.                                       |   |
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|                    | A14                   | US-5338362                               | 08/16/1994                     | Imahashi   |   |
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|                    | A16                   | US-20040015300 A1                        | 01/22/2004                     | Ganguli, et al.                                    |   |
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|                    | A18                   | US-20040011504 A1                        | 01/22/2004                     | Ku, et al.   |   |

**FOREIGN PATENT DOCUMENTS**

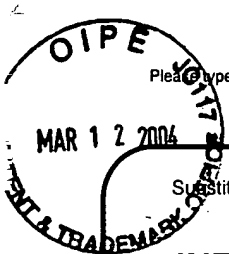
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|--------------------|-----------------------|--|--------------------------------|--|---|----------------|
|                    |                       | Number-Kind Code <sup>2</sup> (if known) |                                |  |   |                |
|                    | B1                    | WO 02/45871 A1                           | 06/13/2002                     | Angstrom Systems, Inc.                             |   |                |
|                    | B2                    | WO 02/08488 A1                           | 01/31/2002                     | ASM Microchemistry OY                              |   |                |
|                    | B3                    | WO 01/36702 A1                           | 05/25/2001                     | Genitech Co., Ltd.                                 |   |                |
|                    | B4                    | WO 01/17691 A1                           | 03/15/2001                     | ASM America, Inc.                                  |   |                |
|                    | B5                    | WO 00/79576 A1                           | 12/28/2000                     | Genitech, Inc.                                     |   |                |

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Sheet 2

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|                    | A1                    | US-20040011404 A1                        | 01/22/2004                     | Ku, et al.   |   |
|                    | A2                    | US-20030224107 A1                        | 01/29/1991                     | Hey et al.   |   |
|                    | A3                    | US-20030213560 A1                        | 11/20/2003                     | Wang, et al.                                       |   |
|                    | A4                    | US-20030198754 A1                        | 10/23/2003                     | Xi, et al.   |   |
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|                    | A6                    | US-20030143747 A1                        | 07/31/2003                     | Bondestam, et al.                                  |   |
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|                    | A9                    | US-20030121469 A1                        | 07/03/2003                     | Lindfors, et al.                                   |   |
|                    | A10                   | US-20030116087 A1                        | 06/26/2003                     | Nguyen, et al.                                     |   |
|                    | A11                   | US-20030113187 A1                        | 06/19/2003                     | Lei, et al.  |   |
|                    | A12                   | US-20030106490 A1                        | 06/12/2003                     | Jallepally, et al.                                 |   |
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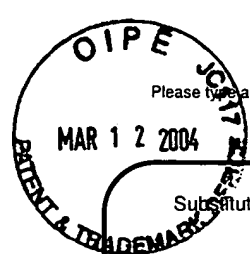
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|                    |                       | Number-Kind Code <sup>2</sup> (if known) |                                |  |   |                |
|                    | B1                    | WO 00/54320                              | 09/14/2000                     | Genus, Inc.  |   |                |
|                    | B2                    | WO 99/65064                              | 12/16/1999                     | A.S.M. International N.V.                          |   |                |
|                    | B3                    | WO 99/01595                              | 01/14/1999                     | Neste OY   |   |                |
|                    | B4                    | WO 96/17107                              | 06/06/1996                     | Milrokemia OY                                      |   |                |
|                    | B5                    | JP 2000-212752                           | 08/02/2000                     |  |   |                |

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Sheet 3

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10/032,284

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December 21, 2001

First Named Inventor

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Group Art Unit

1763

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|                    | A1                    | US-20030042630 A1                        | 03/06/2003                     | Babcoke, et al.                                    |   |
|                    | A2                    | US-20030023338 A1                        | 01/30/2003                     | Chin, et al.                                       |   |
|                    | A3                    | US-20030010451 A1                        | 01/16/2003                     | Tzu, et al.  |   |
|                    | A4                    | US-20030004723 A1                        | 01/02/2003                     | Chihara  |   |
|                    | A5                    | US-20020146511 A1                        | 10/10/2002                     | Chiang, et al.                                     |   |
|                    | A6                    | US-20020144657 A1                        | 10/10/2002                     | Chiang, et al.                                     |   |
|                    | A7                    | US-20020144655 A1                        | 10/10/2002                     | Chiang, et al.                                     |   |
|                    | A8                    | US-20020134307 A1                        | 09/26/2002                     | Choi   |   |
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|                    | A16                   | US-20020076508 A1                        | 06/20/2002                     | Chiang, et al.                                     |   |
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|                    | A18                   | US-20020076481 A1                        | 06/20/2002                     | Chiang, et al.                                     |   |

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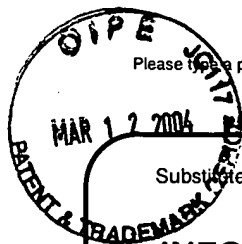
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|                    | B1                    | EP 1 167 569 A1                          | 01/02/2002                     | IPS Limited  |   |                |
|                    | B2                    |  |                                |  |   |                |
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